



Espacenet

## Bibliographic data: JP62126127 (A) — 1987-06-08

PRODUCTION OF SUSTAINED RELEASE PHARMACEUTICAL OF ISOSORBIDE DINITRATE

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**Classification:** - **international:** **A61K31/21; A61K31/34; A61K47/00; A61K47/32; A61K47/34; A61K47/38; A61K9/50; A61P9/04; (IPC1-7): A61K31/21; A61K47/00; C07C77/02**  
 - **European:**  
**Application number:** JP19850266599 19851126  
**Priority number(s):** JP19850266599 19851126  
**Also published as:** JP6084299 (B) JP1955476 (C)

### Abstract of JP62126127 (A)

**PURPOSE:** To readily obtain the tablet pharmaceutical, by applying isosorbide dinitrate to a granular carrier and spray coating the resultant composition with a specific spray solution. **CONSTITUTION:** Mixed powder consisting of isosorbide dinitrate and an excipient, e.g., lactose, etc., in small portions is added to a granular carrier e.g., white sugar, having 14-42 mesh grain size while spraying an aqueous solution of a binder, e.g., hydroxypropyl cellulose, etc., to give a composition. In the process, the ratio of the isosorbide dinitrate in the mixed powder is 20-50wt%. The above-mentioned composition is then spray coated with a spray solution obtained by mixing and dissolving ethyl cellulose, preferably having 44-51% ethoxy group content in macropore having 2,500-9,100 average molecular weight at 40:50-60:40 ratio to afford the aimed sustained release pharmaceutical of the isosorbide dinitrate. **EFFECT:** The preparation operation can be readily as well as quickly carried out.

Last updated: 5/12/2011 Worldwide Database 5/7/31, 82p